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RvA Registration Number of Accreditation applicable to this Report:	
Testing	L372

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Report Type: Evaluation
Report Date: 18 November 2022

Issuing Laboratory: GLI Europe B.V.

Evaluating Laboratory: GLI Italy B.V. - Filiale italiana (Sede di Padova)
Via Ampezzon, 4/G
35010 Villanova di Camposampiero – PD
Italy

Report Recipient: Shinty Ltd.
49 Victoria Street Douglas
IM1 2LD
Isle of Man

Jurisdiction: Isle of Man

Technical Standard(s) for Testing: Gambling Supervision Commission's Statutory Document Number 731/07 Online Gambling (Systems Verification) (No.2) Regulations 2007, laid before Tynwald 16th October 2007, coming into operation 31st August 2007.

Software Supplier: Shinty Ltd.
49 Victoria Street Douglas
IM1 2LD
Isle of Man

Submitting Party/ Licensee Name: Shinty Ltd.
49 Victoria Street Douglas
IM1 2LD
Isle of Man

Product Tested: **BetDex PAM V1.0 and BetDex Sportsbook Platform V1.0**

Request Date: As requested per submitter's request received on 24 August 2022.

Evaluation Period: 24 October 2022 / 16 November 2022

Internal Reference: SY-127-BDX-22-01

Testing Result: Subject to the Conditions of Evaluation section of this Report:

Recommended for Approval
Internal methods used reference: WI-EN-052, WIP 33, PC-TC-001



Software Product Details

For version-control of the files, GLI gathered the following checksums:

File Name	SHA-1 Checksum
components/ResponsibleGaming/modals/AccountClosure.tsx	ADD7967488AA8BB3C347658FED9CCB2369D1F9EB
components/ResponsibleGaming/modals/SelfExclude.tsx	2F6DD6DA05CD9766F48DADB1E56AFD5554194952
components/ResponsibleGaming/modals/StakeLimit.tsx	32A6B6AD4AB1B1AB1A6078D813D21DFF1E2DF9EE
components/ResponsibleGaming/modals/Timeout.tsx	8C921F4C8931479FB9EA0AAFABB004768AB68B98
context/BetslipContext/BetslipProvider.tsx	05B9E398CDB24DF21A6B06A1A07CBFDC077692D7
context/BetslipContext/hook.ts	E27241B53CC3429037E3CF98B3E185CFC1A80893
context/BetslipContext/index.ts	AD11E29E4CC01D829E9086DB663645C489C6EEC0
context/BetslipContext/state.ts	10F676C50C9590197F092F18B4D05FC6D0D81F32
context/ChallengeProvider/ChallengeProvider.tsx	7B0CFD539E7620FC5772D38D8E45003895BCD6
context/ChallengeProvider/index.ts	B6EA44D2D3F07363BEE1F7DE976779967713FAB
context/ChallengeProvider/reducer.ts	6289AB82235435CE0A2740BE4FE5B5C8D07E4103
context/ChallengeProvider/state.ts	FF894F87C6450FC008482D597A94B9747258BF97
context/ChallengeProvider/useChallenge.ts	0B0AD8509742E3C69277D7CDEC3E91E59B32051E
context/TransactionContext/hook.ts	BB8BBA9F3CB857D403392E3B2AB7287E8A1F23ED
context/TransactionContext/index.ts	60972A5EAF1A902604B5E4B17192849E0631730
context/TransactionContext/reducer.ts	07A03B975FAFD3E3CFE07AE4901D221CE5A74574
context/TransactionContext/state.ts	804852DB097C9C1656FF4F66EDA64B7F11FBF3A
context/TransactionContext/TransactionProvider.tsx	5B8F6CC9971327A081931143879A88C81F970D0F
context/WalletModalContext/hook.ts	E3DEF63539FACFD86AFF83C6ED2CE3C260C7D463
context/WalletModalContext/index.ts	FE456CF6A5A13EC89769D5E3FADEC660818874B6
context/WalletModalContext/state.ts	281655959EC9AAB3B633D807177FA57AF97CDE5B
context/WalletModalContext/WalletModalProvider.tsx	09510088708AEDAFAEF7C09A062F8DAA887A6D948E
hooks/Market/useGetMarketOutcomes.ts	421BBE9009688D93251429DF62E2220B7EDA5E11
hooks/Market/useGetMarketPrices/index.ts	1DABE7212A38DB12FABD1598AFA4506DBE675229
hooks/Market/useGetMarketPrices/useGetMarketPrices.ts	4341DBFEB80F5ABF0EAE85D6D3A0517C5F94445A
hooks/Market/useGetOddsLadderAmounts/index.ts	DB67C14598FB373A125970302840BD8E717BC72E
hooks/Market/useGetOddsLadderAmounts/ladderMapper.ts	2109B9CE150B5273D147B69098839F94804BE870
hooks/Market/useGetOddsLadderAmounts/useGetOddsLadderAmounts.ts	CB21064554B1BC5E63BF61B85E3BE8BD4D213716



Gaming Platform Evaluation

GLI's Gaming Platform Evaluation included (but was not necessarily be limited to) the following elements:

- Submitted Documentation Review.
- Source Code Review.
- Player Registration and Identification Process Review.
- Accounting and Player Account Management Review.
- Logs, Registers and Report Generation.
- Records and Data Retention Verification.
- Rules and T&Cs Review.
- General Platform Functionality Assessment.
- Management (Backend) Functionality Assessment.
- Jurisdictional Requirements Review.

The gaming platform comprised the following modules:

Server-Side Modules	
Webserver Module	Operating System: Ubuntu Focal 20.04
	Protocol: HTTPS
Application Module	Operating System: Linux, Ubuntu Focal 20.04
	Encoding Language: Typescript
	Associated Software: N/A
Monitoring Module:	Operating System: Datadog
	Encoding Language: N/A
	Associated Software: N/A
Database Module:	Operating System: Aurora Serverless v2 (8 - 64 ACUs)
	Database Software: Aurora MySQL 8.0
	Associated Software: N/A



Gaming Platform Evaluation

GLI's evaluation of the gaming platform included an evaluation of the following features implemented on the gaming platform:

- Player Account Systems
 - Account Registration,
 - Account Login (Username & Password),
 - Player Interface Account Maintenance,
 - Operator Interface Account Maintenance,
 - Accounting and Financial Reporting Capabilities,
 - Player Protection / Exclusion Systems,
 - Player Location Identification Software*, and
 - Account Deactivation.
- Application Home Page
 - Artwork, and
 - Functionality.
- Application Peripheral Pages
 - Artwork, and
 - Functionality.
- Data Logging.



Conditions of Evaluation

GLI's compliance evaluation of the PAM and sportsbook platform is subject to the following conditions:

GLI's compliance evaluation of the PAM and sportsbook platform was related only to the technical scope of work elements discussed herein. This specifically excludes any other features or functions provided by the submission not related to these elements.

GLI's evaluation to the Technical Standard was limited only to the requirements applicable to the PAM and sportsbook platform:

Technical Standard Section(s)	Reason for Exclusion
Section 2.C	The system does not maintain any funds.
Section 5.C	The system does not maintain any funds.
Section 8	The currency is not converted into tokens.

GLI generated the checksums of the software and source code files using the methods stated below:

Verify+ by Kobetron™ - Verification Procedure for Files or Directories:

1. Open Verify+ by Kobetron™.
2. Select the "File" or "Directory" radio button option.
3. Select the "Browse" button and then choose the file or the top directory for which a signature is being requested.
4. Click the "Verify" button.
5. The current File/Directory being checked will be displayed in the window.
6. The program will generate the aforementioned signatures and display the results.



Conclusion

Subject to the Conditions of Evaluation, GLI has determined that the evaluated elements comply with the requirements of the applicable Technical Standard(s) of the aforementioned jurisdiction.

If you should have any questions regarding this information, please feel free to contact our office.

Sincerely,

Martin Britton
Managing Director